

IN THE CLAIMS:

Please rewrite the following claims in the manner indicated:

1. (Currently Amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase, formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains at least one additive selected from the group consisting of gluconic acid and salts thereof ~~in the absence of sample~~ and wherein the glucose sensor is in a sealed container.

2. (Currently Amended) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains at least one ~~kind of~~ additional additive selected from the group consisting of phthalic acid, salts of phthalic acid, maleic acid, salts of maleic acid, succinic acid and salts of succinic acid.

3. (Previously Amended) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains calcium ions.

4. (Previously Amended) The glucose sensor as set forth in claim 1, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

5. (Previously Amended) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains an electron mediator.

6. (Previously Added) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains calcium ions.

7. (Previously Added) The glucose sensor as set forth in claim 2, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

8. (Previously Added) The glucose sensor as set forth in claim 3, wherein said salt of gluconic acid is potassium gluconate, sodium gluconate, calcium gluconate, cobalt gluconate, or copper gluconate.

9. (Previously Added) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains an electron mediator.

10. (Previously Added) The glucose sensor as set forth in claim 3, wherein said reaction layer further contains an electron mediator.

11. (Previously Added) The glucose sensor as set forth in claim 4, wherein said reaction layer further contains an electron mediator.

[Please add the following new claims.]

Sub
FI
Cont'd

--12. (NEW) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase, formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains at least one additive selected from the group consisting of gluconic acid and salts thereof, wherein the response of the sensor immediately fabricated is substantially the same as compared to the sensor after being stored in a sealed container for one week at 40°C.

13. (NEW) The glucose sensor as set forth in claim 12 in a sealed container.

14. (NEW) The glucose sensor as set forth in claim 12 wherein the amount of gluconic acid or salt thereof is within the range of 1.5 to 150 µg and the amount of glucose dehydrogenase is 0.2 to 20 U.

15. (NEW) The glucose sensor as set forth in claim 1 wherein the amount of gluconic acid or salt thereof is within the range of 1.5 to 150 µg and the amount of glucose dehydrogenase is 0.2 to 20 U.

16. (NEW) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer containing at least pyrrolo-quinoline quinone

Sub
FI
~~FI~~
Conf'd

dependent glucose dehydrogenase, formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains at least one additive selected from the group consisting of gluconic acid and salts thereof and one additional additive selected from the group consisting of phthalic acid, salts of phthalic acid, maleic acid, salts of maleic acid, succinic acid and salts of succinic acid.--
